1 **RADIO WAVE ABSORBER**
2 .For aircraft or missile
3 .For camouflage
4 .With particular geometric configuration
5 **RADAR REFLECTOR**
6 .With modulation
7 .Corner
8 ..Inflatable or collapsable
9 ..Decoy or tow target
10 .Inflatable or collapsable
11 .With spherical lens (e.g., Luneberg lens)
12 .Chaff
13 **RADAR EW (ELECTRONIC WARFARE)**
14 .ECM (Electronic countermeasures, i.e., jamming)
15 ..With repeater
16 .ECCM (Electronic counter-countermeasures, i.e., antijamming)
17 ..Radar reacts to jamming
18 ...By changing frequency
19 ...By varying gain or blocking receiver
20 .Detection of surveilance
21 **BASE BAND SYSTEM**
22 **TRANSMISSION THROUGH MEDIA OTHER THAN AIR OR FREE SPACE**
23 **BERTHING OR DOCKING**
24 **BLIND AID**
25 R **SYNTHETIC APERTURE RADAR**
25 A .Mapping or imaging using synthetic aperture radar (EPO)
25 B ..Specially adapted for moving target detection (EPO)
25 C ..Combined with monopulse or interferometric (EPO)
25 D ..With frequency domain processing of the SAR signals in azimuth (EPO)
25 E ..With time domain processing of the SAR signals in azimuth, e.g. time focusing (EPO)
25 F ..Particular SAR processing techniques (e.g., squint mode, doppler beam-sharpening mode, spotlight mode, bistatic SAR, inverse SAR) (EPO)
26 R **RADAR FOR METEOROLOGICAL USE (EPO)**
26 A .Mounted on satellite (EPO)
26 B .Mounted on aircraft (EPO)
26 C .Mounted on ship (EPO)
26 D .Ground based (EPO)
27 **PRESENCE DETECTION ONLY**
28 .By motion detection
29 **AIRCRAFT COLLISION AVOIDANCE SYSTEM (CAS)**
30 .With transponder
31 ..Including synchronized clock
32 ..Included in Secondary Surveilance Radar (SSR) or Air Traffic Control Radio Beacon System (ATCRBS)
33 **AIRCRAFT LANDING SYSTEM**
34 .Ground control approach (GCA)
35 .Microwave landing system (MLS)
36 **AIR TRAFFIC CONTROL**
37 .Secondary Surveilance Radar (SSR) or Air Traffic Control Radar Beacon System (ATCRBS)
38 ..With altitude information
39 ..With side lobe suppression
40 ..With defruiting or degarbling
41 **SHIP COLLISION AVOIDANCE**
42 **RADAR TRANSPONDER SYSTEM**
43 .Combined with primary radar system
44 .Unique identity
45 .IFF or SIF
46 .Navigational
47 ..Distance measuring equipment (DME)
48 ...With automatic lock-on
49 ...With VOR/TACAN
50 .With Telemetry
51 .Radar transponder only
52 **COMBINED WITH DIVERSE TYPE RADIANT ENERGY SYSTEM**
53 .With infrared device
54 .With laser
55 .With television
56 .With direction finding
57 .With radio voice communication
58 .With transmission to a remote station
59 **PLURAL RADAR**
60 **TRANSMITTING INTELLIGENCE**
61 **RETURN SIGNAL CONTROLS EXTERNAL DEVICE**
62 .Missile or spacecraft guidance
63 .Aircraft guidance
64 ..With map matching
65 ..With terrain avoidance or alarm
66 .Camera

67 .Gun (e.g., fire control)
68 .Proximity fuze
69 .Device actuated by presence of land vehicle
70 .Radar mounted on and controls land vehicle
71 ..With control of brakes or steering
72 ..With control of safety device (e.g., air bags)
73 **RETURN SIGNAL CONTROLS RADAR SYSTEM**
74 .Antenna control
75 ..Physical orientation
76 ...With ground tracking
77 ...With signal error correction
78 ...Conical scan
79 ...Lobe switching
80 ...Monopulse
81 ..Beam direction by phase or frequency control
82 .Transmitter
83 ..Signal phase or frequency other than pulse repetition frequency (PRF)
84 ...Function of doppler frequency
85 ...Function of distance
86 ....With constant phase
87 ....With constant beat frequency
88 ..Transmission timing (e.g., ring around)
89 .Receiver
90 ..Automatic target detection
91 ..Gain or threshold
92 ...Automatic gain control (AGC)
93 ...Constant false alarm rate (CFAR)
94 ..Gating
95 ...Automatic range tracking
96 ....Automatic track while scan (ATWS)
97 ....With automatic lock-on
98 ..Frequency
99 ...Doppler frequency tracking
100 ....Wtih local osillator control
101 ....With filter control
102 ...Phase
103 ....Phase locked loop
104 **DETERMINING VELOCITY**
105 .Other than doppler (e.g., range rate)
106 .Combined with determining acceleration
107 .Combined with determining distance and direction
108 ..With correlation
109 .Combined with determining distance
110 ..With plural fixed range gates
111 ..With plural receiver frequency band separation
112 ..With plural frequencies transmission
113 .Combined with determining direction (i.e., bearing)
114 .Combined with determining sense of motion (i.e., approaching or receding)
115 .Digital
116 .With plural received frequency band separation
117 .With plural beams (e.g., "Janus")
118 **DETERMINING DISTANCE**
119 .Miss distance indicator (MDI)
120 .Altimeter
121 ..With additional indicator
122 ..FM type
123 .Height finder
124 .Material level within container
125 .With remote cooperating station
126 .Triangulation
127 .Phase comparison
128 .With frequency modulation
129 ..Plural frequencies transmitted
130 ..Plural modulation
131 ...Combined with pulse modulation (e.g., frequency agile)
132 ....With pulse modulation (e.g., "Chirp")
133 ..Combined with determining direction
134 .With pulse modulation
135 ..Digital (e.g., with counter)
136 ...With plural fixed range gates
137 ..With variable pulse repetition frequency (PRF) or pulse width
138 ..With type "A" or "J" range scope
139 ..Combined with determining direction
140 ...With azimuth and elevation determination
141 ...Off boresight
142 ...With CRT display
143 ....Plural

144 ....PPI type
145 .With correlation
146 .Combined with determining direction
147 **DETERMINING DIRECTION**
148 .Low angle processing
149 .Monopulse
150 ..With common IF channel
151 ..With channel equalization
152 ..With quadrature difference processing
153 ..With particular antenna or waveguide
154 ..Combined with beam steering
155 .Lobe switching
156 .Interferometer
157 .With frequency or phase steering
158 .Scanning
159 **CLUTTER ELIMINATION**
160 .MTI (Moving target indicator)
161 ..With vehicle movement compensation (e.g., AMTI (Airborn MTI))
162 ..Digital
163 ..With blind speed elimination
164 ..With storage tube
165 **TESTING OR CALIBRATING OF RADAR SYSTEM**
166 .Proximity fuze
167 .With laser
168 .With noise generation
169 .By simulation
170 ..Microwave
171 ..Doppler
172 ..With delay
173 .By monitoring
174 ..Calibrating
175 **WITH PARTICULAR CIRCUIT**
176 .Display
177 ..Plural
178 ..Projection type
179 ..Image production
180 ..Stereoscopic or tridimensional
181 ..Color
182 ..Electronic marker generation
183 ...Cursor
184 ..With stabilization (e.g., True Motion, True North)
185 ..Scan conversion
186 ..With sweep expansion
187 .Augmenter
188 .With polarization
189 .For correlation
190 .With recording
191 ..Mapping
192 .Spectrum analysis
193 ..Harmonic
194 .Complex signal (in phase and quadrature)
195 .Digital processing
196 ..Fast fourier transform (FFT)
197 ..With video quantizer
198 .For receiver protection
199 .Automatic frequency control (AFC)
200 .For frequency modulation
201 ..Combined with pulse modulation
202 .For pulse modulation
203 ..With noise reduction
204 ..With pulse shaping
205 .Sensitivity time control (STC)
350 **DIRECTIVE**
351 .Including a radiometer
352 .Including a satellite
353 ..Having a signal repeater
354 ..With beam steering
355 ..With control of satellite altitude
356 ..Synchronous satellite
357.01 ..With position indicating
357.02 ...With accuracy enhancing
357.03 ....Using differential correction
357.04 ....With ambiguity resolving
357.05 ...Using Doppler frequency shift
357.06 ...Using Global Positioning Satellite (GPS or Glonass)
357.07 ....Tracking or monitoring (i.e., lost or stolen vehicles)
357.08 ....Determining relative position (e.g., distance or direction)
357.09 ....With transmission of location-indicative information to or from a remote station
357.1 ....Combined with telecommunication
357.11 ....Attitude determination
357.12 ....GPS receiver signal processing
357.13 ....With storage device (i.e., map or database)
357.14 ....Combined with secondary navigation system (i.e., LORAN, gyroscope, inertial, dead reckoning, etc.)
357.15 ....Satellite selection (i.e., tracking or acquisition)
357.16 ...Using low Earth orbit (telecommunication) satellites

357.17 ...With particular action taken responsive to position
358 ..With satellite signal correction
359 .Including antenna orientation
360 .Including antenna pattern plotting
361 .Including polarized signal communication transmitter or receiver
362 ..Receiver only
363 ...Circular
364 ...Eliptical
365 ..Circular
366 ..Eliptical
367 .Including directive communication system
368 .Including a steerable array
369 ..Injection radiation type
370 ..Retrodirective
371 ..With electronic scanning
372 ...Controlled
373 ..With a matrix
374 ..With a switch
375 ..With a delay line (e.g., serpentine transmission line, frequency scanning)
376 ..Including a remote energy source
377 ..Including a computer
378 .Utilizing correlation techniques
379 ..Side lobe elimination
380 ...Sum of each antenna channel signal
381 ...Difference of each antenna channel signal
382 ...Mixing each antenna channel signal
383 ..Sum of each antenna signal
384 ..Difference of each antenna channel signal
385 .Beacon or receiver
386 ..With transmisson of bearing or position determinative signals
387 ...Iso-chronic type
388 ....Loran
389 .....Loran-C
390 ......With cycle selection
391 .....Loran-A
392 ....With automatic gain control
393 ...Iso-frequency type
394 ...Iso-phase type
395 ....With hetrodyne synchronization
396 ....Omega
397 ....Decca
398 ...Rotating beacon signal
399 ...Tacan
400 ....Receiver only
401 .....VOR
402 ......Doppler
403 ....With circular array of antennas
404 ....VOR
405 .....Doppler
406 ......With circular array of antennas
407 ...Fixed course or bearing indicating
408 ....Moving beam
409 ....With superimposed images
410 ....Glide slope transmitter or receiver
411 .....Receiver only
412 .....Transmitter oly
413 ....Localizer transmitter or receiver
414 ....Distinctive frequencies equi-signal type
415 .....Coded equi-signal (e.g., A and N type)
416 .....Sequentially effective reflectors
417 ..Direction-finding receiver only
418 ...Doppler
419 ...Portable
420 ...With error or deviatioan compensator or eliminator
421 ....Pulse-type noise elimination or compensation (e.g., sky waves)
422 ...With self-orienting antenna pattern
423 ....Plural antennas
424 .....Tracking interferometer
425 ....Conical scan antenna type
426 ....Step track antenna type
427 ....Monopulse or pseuodo monopulse tracking antenna type
428 ...With continuously movable antenna pattern
429 ....Including a stationary antenna
430 ....Including plural moving antennas
431 ....Including a goniometer
432 ...With plural fixed antenna pattern comparing

433 ....Successively commutated
434 .....Including more than two antennas
435 .....By diode switching
436 .....By modulation
437 ....Including more than two antennas
438 ....Including separate indicators
439 ....Including combined effect indicator
440 ....Including a goniometer
441 ...Having a goniometer
442 ...Having a phase detector
443 ...Having a direction indicator
444 ...Having plural receivers
445 ...Having more than two antennas
446 ....Unequal distance between at least three antennas
447 ...Having a spiral antennas
448 ...Having a coil or loop type antenna
449 ...Having a moving antenna
450 .Position indicating (e.g., triangulation)
451 ..By computer
452 ..By plotting table
453 ..By deflected or repeated signal
454 ..Traffic
455 ...Having collision avoidance
456 ...Having traffic control
457 ..Land vehicle location (e.g., bus, police car
458 ..Distance
459 ..Underground object location
460 ..Storm or atomic explosion location
461 ..With speed determination
462 ..With altitude determination
463 ..Having plural transmitters or receivers
464 ...Plural transmitters only
465 ...Plural receivers only

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